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Remarks/Arguments

Applicants respectfully request favorable reconsideration of the subject application, particularly in view of the above amendment and the following remarks. Applicants respectfully urge that there is no additional fee for the above amendment as the number of independent claims and the total number of claims have been reduced.

Applicants have amended the claims by canceling Claims 1-12 directed to a method for measuring the concentration of a gaseous and/or vaporous component of a gaseous mixture. Applicants have amended Claim 13 by incorporating the limitations of Claim 15, which claim the Examiner has been indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants respectfully urge that this amendment incorporates no new subject matter into the application.

The drawings have been objected to under 37 CFR 1.83(a) for failing to show every feature of the invention specified in the claims. In particular, the Examiner indicates that the combustion chamber and control means of Claim 13 must be shown in the drawings or the feature(s) canceled from the application. Applicants respectfully urge that both of these elements are shown in Fig. 4 of the application. The combustion chamber recited in Claim 13 is identified by reference numeral 30,

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shown in Fig. 4 and discussed at Page 14, line 19 to Page 16, line 1, of the specification, and the control means recited in Claim 13 are identified as reference numeral 40, also shown in Fig. 4 and discussed at Page 15, lines 10-14 of the specification. Accordingly, Applicants respectfully request withdrawal of the objection under 37 CFR 1.83(a).

Claim 11 has been rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. Applicants respectfully urge that this rejection is rendered moot as a result of the cancellation of Claims 1-12 by the above amendment.

Claims 1-14 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Forbes et al., U.S. Patent 6,247,918 B1 or Von Drasek et al., SPIE 1999, 3535, 215-225 in view of Isenberg, U.S. Patent 4,447,204 and Murase et al., U.S. Patent 4,466,943. With respect to Claims 1-12, all of which claims have been cancelled from the subject application, Applicants respectfully urge that this rejection is rendered moot. With respect to Claims 13-14, Applicants respectfully urge that, by virtue of the incorporation of all of the subject matter of Claim 15, which the Examiner has indicated would be allowable if rewritten in independent form, into Claim 13 (the base claim of Claim 15), Applicants respectfully urge that this rejection

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is rendered moot.

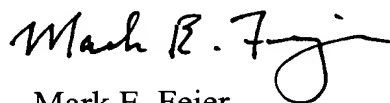
Claim 16 has been rejected under 35 U.S.C. 103(a) as being unpatentable over Forbes et al., U.S. Patent 6,247,918 B1 or Von Drasek et al., SPIE 1999, 3535, 215-225 in view of Isenberg, U.S. Patent 4,447,204 and Murase et al., U.S. Patent 4,466,943 as applied to Claim 13, and further in view of Wright, Jr. et al., U.S. Patent 5,708,507. By virtue of the incorporation of all of the limitations of Claim 15 into Claim 13 as discussed herein above, thus rendering Claim 13 allowable, and by virtue of the fact that Claim 16 depends from Claim 13, Applicants respectfully urge that this rejection is rendered moot.

Conclusion

Applicants intend to be fully responsive to the outstanding Office Action. If the Examiner detects any issue which the Examiner believes Applicants have not addressed in this response, Applicants urge the Examiner to contact the undersigned.

Applicants sincerely believe that this patent application is now in condition for allowance and, thus, respectfully request early allowance.

Respectfully submitted,



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